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**Sulphur Springs Valley
Electric Cooperative, Inc.**

E-01575A-01-0625

Curtailment Plan

2001

Curtailment Plan Introduction and Table of Contents

SSVEC CURTAILMENT PLAN

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SSVEC

ELECTRIC LOAD CURTAILMENT PLAN

CAPACITY OR FUEL SHORTAGE

2.0 INTRODUCTION:

Conditions could exist on Arizona Electric Power Cooperative's (AEP CO) system in which: (1) The power supply would be insufficient to carry the load during peak periods. This would be a Generation Capacity situation and would require curtailment power use by customers according to the Arizona Electric Power 2.1 Cooperative's Capacity Curtailment Guidelines. (2) The availability of fuel for generation would be insufficient to operate Arizona Electric Power Cooperative's generators. This would be a Fuel Shortage situation and would require curtailment of power use by customers according to the Fuel Shortage Curtailment Guidelines.

2.2 Should either of these conditions seem imminent, AEP CO will notify all member cooperatives who will reduce all convenience uses of electricity within their facilities and will make a public appeal for voluntary curtailment of electric consumption by their customers.

If voluntary curtailment results in insufficient load reduction to meet the emergency, the Arizona Corporation Commission (ACC) has directed electric utilities to institute mandatory curtailment, according to guidelines in R14-2-208E, Chapter 2, Title 14.

For the purpose of this plan, SSVEC 's operating system has been divided into three operating entities referred to as sub- I (North System, Central System, and South System). System refers to the entire SSVEC system, and includes the North, Central and South sub systems.

2.3 NOTIFICATION OF CURTAILMENT:

Should either voluntary or involuntary curtailment become necessary, AEP CO will notify the SSVEC Director of Curtailment (Manager of Operation & Engineering), as outlined in the notification flow diagram.

The Director will immediately notify SSVEC management, Manager of Marketing & External Affairs, assigned Operations and Engineering staff, and the Arizona Corporation Commission.

SSVEC Director of Curtailment will notify the Manager of Operations, Construction Maintenance, as to the type and degree of curtailment (fuel supply or generation capacity) necessary. The Director of Curtailment will notify the sub systems operating supervisor, manager & area foremen, who will then activate their respective area curtailment plans.

2.4 CUSTOMER LOAD DEFINITIONS

All Customer loads have been classified into five categories:

2.4.1 MAJOR USE -Those customers having peak demands of 1000kW+, with a substantial number of employees or other special circumstances which make appropriate their scheduling of blackouts or curtailments at intervals or for durations differing from those applicable to other customers.

2.4.2 ESSENTIAL -Customers with facilities that are necessary for the general public's health and safety; such as hospitals, water, sewage, national defense, AEPCO, police, fire, telephone, customers with iron lungs, etc. (These circuits will not be intentionally interrupted.)

2.4.3 CRITICAL -Non-residential customers for whom total curtailment would create a grave hazard to employees or the public or non-residential customers who would suffer excessive damage to equipment, material, or perishable items. (These circuits will not be intentionally interrupted, but the critical consumer will be required to reduce or curtail his load to the critical load level.)

2.4.4 CURTAILMENT WITH NOTICE -Customers who qualify as critical, essential, or major use but who, with sufficient notice, can take a 100 percent curtailment. (These circuits will be interrupted at the substation after the required notification period.)

2.4.5 CURTAILMENT WITHOUT NOTICE -All customers not covered by other categories (These circuits will be interrupted at the substation without notice.)

All known essential services have been identified and all large customers (500 kW and up) have been contacted to ascertain the classification of their loads.

This information has been tabulated by area, substation and feeder (See Feeder Classification Sheets.)

3.0 LOAD CURTAILMENT

3.1 VOLUNTARY CURTAILMENT:

(Generation Capacity) or (Fuel Shortage-Steps 1, 2, and 3). If conditions allow for advanced warning, SSVEC will ask the general public for voluntary curtailment. Upon instruction from the Director of Curtailment, information on curtailment will be made available to the general public through the news media and all SSVEC offices. Notices will be given by Marketing & External Affairs.

In addition, Major Use Consumers will be called by preassigned individuals in the Marketing & External Affairs Department to ask for voluntary curtailment. (See Major Use Customer Information sheets.)

3.2 INVOLUNTARY LOAD CURTAILMENT: (Generation Capacity or Fuel Supply-Step 4)

Should the voluntary curtailment result in an insufficient reduction in load, Engineering will determine the amount of additional load that must be curtailed and inform each sub-system operating supervisor. The sub-system will then curtail its load by the amount required by engineering. This amount is allocated to each sub-system in the ratio of its curtailable load to SSVEC's total curtailable load. (See MW curtailment area.)

3.3 EMERGENCY CURTAILMENT:

If SSVEC has no advance warning of a curtailment condition, Operations will initiate the emergency load curtailment plan. This will be done by supervisory control at the 69 and 12 kV levels. (See emergency load curtailment log.) These circuits will remain out of service until the transition from the emergency schedule to the planned schedule can be made, as the necessary operating manpower is available. See planned procedures for: Generation Capacity and Step 4-Fuel Shortage.

3.4 PROCEDURES FOR THE PLANNED GENERATION CAPACITY CURTAILMENT:

All classes of customers will be curtailed as equitably as possible. Circuits that can take a normal rotation have been selected from the Feeder Classification Sheets and entered on the Feeder Rotation Sheets in rotation order. Where possible, the circuits selected to be curtailed on the Emergency Load Curtailment Schedule will be the last to be interrupted on the Planned Curtailment Schedule.

Major use customers and customers having critical or essential loads which prevent them from normal rotation will be curtailed as follows:

3.4.1 MAJOR USE CUSTOMERS

Major use customers on circuits that cannot be rotated and those having Critical or essential loads will be notified to reduce their load to their allowed load level in a rotating order with a frequency or repetition necessary to meet the emergency situation.

Those Major Use customers not having Critical or Essential loads on circuits that can be rotated will be included in the rotated blackouts after having been given required notice time. (Blackout periods to be approximately one hour duration.)

Major use customers will be called by preassigned individuals in the Marketing & External Affairs Department and apprised of the situation.

3.4.2 NON-ROTATING CUSTOMERS

Customers (500kW to 900kW) having critical or essential loads or customer on circuits that cannot be rotated are listed on the Non-Rotating Customer Reduction List.

3.4.3 CRITICAL LOAD CUSTOMERS:

Customers with permanent critical loads will be treated as if they were a "circuit themselves." SSVEC will require critical load level in a rotating order and duration similar to interrupted feeders. (See Non-Rotating Consumer Reduction List.)

3.4.4 ESSENTIAL LOAD CUSTOMERS:

Customers with permanent essential loads will be treated as if they were a "circuit themselves." SSVEC will require essential load customers to reduce their loads to their essential load level in a rotating order and duration similar to interrupted feeders. (See Non-Rotating Customers Reduction List.)

3.4.5 OTHER CUSTOMERS ON NON-ROTATING CIRCUITS:

Customers on a non-rotating circuit who could ordinarily be rotated will be required to curtail their loads proportionately to the reduction of system load required. If any consumer does not curtail to the extent required, SSVEC may discontinue or disconnect service and

refuse to reestablish service until the emergency condition is declared over. (See Non-Rotating Consumer Reduction Sheets.)

3.4.6 CURTAILMENT WITH NOTICE:

Customers who have a critical or an essential load that can take 100 percent curtailment if given sufficient notice. After notification, the circuit will be rotated on the same schedule as the "other circuits" until the emergency is declared over by SSVEC.

3.4.7 CURTAILMENT WITHOUT NOTICE:

All circuits not covered by other categories will be rotated without notice. Rotation of circuits will be for a duration and frequency necessary to meet the emergency situation.

NOTE: The objective in a Generation Capacity curtailment is to reduce kW load as quickly as possible in order to prevent system wide Under Frequency Load Tripping.

3.5 PROCEDURE FOR THE PLANNED STEP 4 FUEL SHORTAGE CURTAILMENT

All classes of customers will be curtailed as equitably as possible. Circuits that can take normal rotation have been selected from the Feeder Classification Sheets and entered on the Feeder Rotation Sheets in rotation order. Where possible, the circuits selected to be curtailed on the Emergency Load Curtailment Schedule will be the last to be interrupted on the Planned Curtailment Schedule. Consumer reductions and circuit rotations will be as follows:

3.5.1 MAJOR USE CUSTOMERS

(a) Major use customers having critical or essential loads, which prevent them from normal rotation, will reduce their loads by a specific percentage for predetermined periods of time.

(b) Those major use customers not having critical or essential loads, and are on circuits that can be rotated, may be included in the rotated blackout during hours agreeable to SSVEC and the consumer. Blackout periods to be approximately two hour duration.

NOTE: Blackout duration periods maybe longer for Fuel Shortage Curtailment vs. Generation Capacity Curtailment.

3.5.2 NON-ROTATING CUSTOMERS:

Customers having critical or essential loads or customers on circuits that cannot be rotated are listed on the Non-Rotating Consumer Reduction List.

3.5.3 CRITICAL LOAD CUSTOMERS:

Customers with permanent critical loads will be treated as if they were a "circuit themselves". SSVEC will require critical load customers to reduce their loads to their critical load level in a rotating order and duration similar to interrupted feeders. (See Non-Rotating Consumer Reduction List.)

3.5.4 ESSENTIAL LOAD CUSTOMERS:

Customers with permanent essential loads will be treated as if they were a "circuit themselves". SSVEC will require essential load customers to reduce their loads to their essential load level in a rotating order and duration similar to interrupted feeders. (See Non-Rotating Consumer Reduction List.)

3.5.5 OTHER CUSTOMERS ON NON-ROTATING CIRCUITS:

Customers on a non-rotating circuit who could ordinarily be rotated will be required to curtail their loads proportionately to the reduction of system load required. If any consumer does not curtail to the extent required, SSVEC may discontinue or disconnect service and refuse to reestablish service until the emergency condition is declared over. (See Non-Rotating Customer Reduction Sheets.)

3.5.6 CURTAILMENT WITH NOTICE:

Customers who have a critical or an essential load that can take 100 percent curtailment if given sufficient notice. After notification the circuit will be rotated on the same schedule as the "other circuits" until the emergency is declared over by SSVEC.

3.5.7 CURTAILMENT WITHOUT NOTICE:

All circuits not covered by other categories will be rotated without notice. Rotation of circuits will be for a duration and frequency necessary to meet the emergency situation.

NOTE: The objective in a Fuel Shortage Curtailment is to reduce kWh in order to conserve fuel.

SSVEC

ELECTRIC LOAD CURTAILMENT PLAN

4.0 FUNCTIONAL RESPONSIBILITIES

4.1 AEPCO

4.1.1 responsibilities:

Monitors the electric system to insure that generation and transmission are adequate to meet system load requirements and that the AEPCO fuel supply is stable. Analyzes generation, transmission, and/or fuel supply deficiencies and determines the magnitude and duration of load curtailment.

4.1.2 Generation Capacity Curtailment:

4.1.2.1 Responsible for initiating emergency load curtailment plan to retain system stability and frequency.

4.1.2.2 Notifies the SSVEC Director of Curtailment that an emergency exists and that forecasted generation is insufficient to meet forecasted load. Provides him with the magnitude of necessary curtailment and estimated duration.

4.1.2.3 Notifies each distribution cooperative's Director of Curtailment of any emergency curtailment, and makes the transition from the emergency curtailment schedule to the planned Generation Capacity load curtailment schedule. Informs them of the amount of load that must be curtailed to meet the generation deficiency.

4.1.3 Fuel Shortage Curtailment:

4.1.3.1 Keeps the SSVEC Director of Curtailment informed of the fuel inventory; i.e., 90 day supply (Step 1), 45 day supply (Step 2), and 30 day supply (Step 3).

4.1.3.2 Notifies the SSVEC Director of Curtailment daily of the fuel supply after it reaches Step 3 (30 day supply) level.

4.1.3.3 Initiates action necessary to put Fuel Shortage Curtailment Plan (Step 4) into effect.

4.1.3.4 Notify SSVEC Director of Curtailment of necessary curtailment, amount of load that must be curtailed, and estimated duration.

4.1.4 Notify SSVEC Director of Curtailment when emergency or curtailment is over.

4.2 SSVEC Director of Curtailment

4.2.1 Responsibilities

4.2.1.1 Responsible for seeing that SSVEC has an approved and up-to date electric curtailment plan.

4.2.1.2 Responsible for seeing that all involved SSVEC personnel understand the electric curtailment plan and are trained in its use.

4.2.1.3 Responsible for efficiently implementing all phases of SSVEC 's approved electric curtailment plan during electric curtailment.

4.2.1.4 When an emergency exists (Generation Capacity Curtailment), immediately notifies each of the following, informing them of the magnitude and the anticipated duration of the curtailment:

1. Cooperative Management
2. Manager & Supervisor of Operations,
Construction/Maintenance
 - a. Sub-system operating supervisors & area foreman
3. Public Relations Coordinator
4. Arizona Corporation Commission

4.2.1.5 Notifies SSVEC management when AEPCO fuel supply has reached Steps 1, 2, 3, and 4 levels and requests (Fuel Shortage Curtailment) authorization to implement planned

voluntary appeals or the involuntary curtailment plan. Notifies 2 and 3 of item 4.2.1.4 above of the planned action.

4.2.1.6 Reviews content of the Public Relations Coordinator's news releases prior to distribution to insure consistency with current curtailment situation.

4.2.1.7 Notifies those areas listed in item 4.2.1.4 above when the curtailment period is over.

4.2.1.8 Responsible for seeing that the permanent reports, files, and rotation logs are kept on all curtailment activities.

4.3 SSVEC Manager of Operations & Engineering; a.k.a. Director of Curtailment

4.3.1 Responsibilities

4.3.1.1 Responsible for implementing involuntary load curtailment within the SSVEC system, in accordance with SSVEC's approved electric load curtailment plan.

4.3.1.2 Authorizes the Engineering supervisor to develop a sub system electric curtailment plan with final approval by the Director of Curtailment.

4.3.2 Sub system operating Supervisors, Manager and Area Foremen responsibilities.

4.3.2.1 Rotate circuits not classified as essential or critical on an equitable basis (rotation time to be determined by factors such as: supervisory control, type of load, travel time between switching points, etc.)

4.3.2.2 Works closely with Public Relations Coordinator on:

- a. Circuit rotation
- b. Consumer rotation
- c. Consumer notifications:
 1. Major Use Consumers
 2. Critical Load Consumers
 3. Essential Load Consumers
 4. Curtailment with Notice Consumers
 5. Curtailment Without Notice Customers (see sec #1)

4.3.2.3 Insures that the DIA Operator keeps an accurate log of all circuit interruptions during curtailments and forwards copies to the Director of Curtailment.

a. Develops a sub-system electric curtailment plan under the direction and final approval of the Engineering Supervisor.

4.3.2.4 Insure that proper people are available to:

a. Physically accomplish routine and emergency switching.

b. Perform curtailment logging.

4.3.2.5 Insure that all consumers involved in the curtailment are treated equitably.

4.4 CEO

4.4.1 Responsibilities

4.4.1.1 Receives notice from the Director of Curtailment that:

1. Fuel supply for generation has reached level of Step 1, 2, 3 or 4.
2. An emergency exists. Or that there will be a generation deficiency the magnitude of the curtailment and expected durations.

4.4.1.2 Authorizes the Director of Curtailment to implement Steps 1, 2, 3, or 4 in the case of a Fuel Shortage curtailment situation.

4.4.1.3 Approves the Public Relations Coordinator's copy.

4.5 Public Relations Coordinator

4.5.1 Responsibilities:

4.5.1.1 Receives notice from the Director of Curtailment that:

1. Fuel supply has reached Steps 1, 2, 3, or 4.
2. An emergency exists. The magnitude of the curtailment (Generation Capacity), and expected duration.

4.5.1.2 Keeps the public informed of electric curtailment, as instructed by Cooperative management.

4.5.1.3 Distributes news releases, approved by the Director of Curtailment, and the CEO, to area news media and appropriate SSVEC personnel.

4.5.1.4 Prepares and maintains in each division a supply of announcements which may be distributed to the media when notified by Public Relations Coordinator, under the direction of the Director of Curtailment.

4.5.1.5 Prepares and handles distribution of any newspaper advertisements required during a curtailment.

4.5.1.6 Briefs CEO concerning the information disseminated to the public.

4.5.1.7 Responsible for informing SSVEC Directors and employees of electric curtailment. Copy to be approved by the Director of Curtailment.

SSVEC'S CURTAILMENT NOTIFICATION
PERSONAL LIST

SSVEC'S CURTAILMENT NOTIFICATION
PERSONNEL LIST

PROTECTED MATERIAL
DISCLOSER IS RESTRICTED

Substations & Feeder Information

Northern Area

CURTAILMENT PLAN

PROTECTED MATERIAL
DISCLOSER IS RESTRICTED

6.1.1 Priority

Substation Capacity Willcox Area

SUBSTATIONS	TRANSFORMER CAPACITY	CONSUMERS
1. WILLCOX	7.5/10.5 MVA	2,608
2. COCHISE	5/7 MVA	1,598
3. WEBB	10/14 MVA	944
4. CHIRICAHUA	5/7 MVA	615
5. KANSAS	6 MVA	808
6. STEWART	10/14 MVA	902
7. McNEAL	3.75 MVA	928
8. BOWIE	6.0 MVA	462
9. MORTENSON	7.5/10.5 MVA	386
10. SAN SIMON	3.75 MVA	462

KW AVERAGE SHED 2000-01

1. Willcox	5,880 KW
2. Cochise	2,317 KW
3. Webb	1,458 KW
4. Kansas	2,340 KW
5. Stewart	1,850 KW
6. McNeal	1,450 KW
7. Chiricahua	1,144 KW
8. Bowie	1,013 KW
9. Mortenson	4,335 KW
10. San Simon	1,106 KW

6.1.1

FEEDER	Consumers	Shed (kw Average 2000-01)
1. F-8 WILLCOX- Town feeder	808	3162 KW
2. F-3 WILLCOX- Airport Road Feeder	854	1795 KW
3. H-4 COCHISE- South Feeder	1,273	2283 KW
4. F-7 WILLCOX- STEWART ROAD	841	1548 KW
5. F-4 WILLCOX- EAST FEEDER	105	593 KW
6. J-7 KANSAS- EAST FEEDER	192	1401 KW
7. N-2 McNEAL- SOUTH FEEDER	531	876 KW
8. M-4 WEBB- SOUTH & EAST FEEDER	554	979 KW
9. E-3 STEWART- EAST FEEDER	673	1396 KW
10. B-7 BOWIE- TOWN FEEDER	339	803 KW
11. A-5 SAN SIMON- WEST FEEDER	300	635 KW
12. J-3 KANSAS- NORTH FEEDER	484	1283 KW
13. H-3 COCHISE- NORTH FEEDER	325	915 KW
14. N-1 McNEAL- NORTH FEEDER	397	619 KW
15. D-5 MORTENSON- SOUTH FEEDER	261	795 KW
16. M-5 WEBB- WEST FEEDER	50	145 KW
17. M-3 WEBB- EAST FEEDER	131	480 KW
18. E-1 STEWART- NORTH FEEDER	34	132 KW

6.1.1

(CONTINUATION)

KW AVERAGE 2000-01

FEEDERS	CONSUMERS	SHED
19. M-1 WEBB- EAST FEEDER	209	731
20. E-2 STEWART- WEST FEEDER	195	508
21. A-3 SAN SIMON- SOUTH FEEDER	141	502
22. B-3 BOWIE- NORTH FEEDER	87	331
23. D-1 MORTENSON- NORTH FEEDER	45	2,689
24. B-5 BOWIE- SOUTH & EAST FEEDER	36	347
25. J-5 KANSAS-SOUTH & WEST FEEDER	131	261
26. K-1 CHIRICAHUA- NORTH FEEDER	593	
27. K-2 CHIRICAHUA- EAST FEEDER	22	
28. D-7 MORTENSON- WEST FEEDER	80	631
29. A-1 SAN SIMON- NORTH FEEDER	21	118

COMMUNICATION SERVICES**Dos Cabezas (Willcox Sub F-4 Feeder)****A. Radio Repeaters**

1. SSVEC
2. UNION OIL
3. VALLEY TELEPHONE

All three repeaters share a common service and have battery and propane generator back-up, which can operate for up to 72 hours.

B. Microwave Stations

1. Valley telephone- battery back- up, good for 8 hours.
2. EL. Paso Natural Gas –battery back-up, good for 48 hours.
3. Cochise County- no back-up.
4. Tucson Electric Power- battery back-up, good for 48 hours.
5. AEPCO- First back-up is battery, good for 8 hours, second back- up is diesel generator with 72 hours of fuel.

C. San Bernadino Site (Kansas Sub J-7 Feeder)

1. Valley Telephone - battery back-u p, good for 8 hours.
2. AZ Dept. Public Safety - no back-up.
3. U.S. Forest Service – no back-up.
4. U.S. Border Patrol – battery back-up good for 24 hours.

D. Western States Microwave (Willcox Sub f-7 Feeder) LOC # C07275515

1. Battery back-up, Good for 12 hours.

E. Time Mirror Microwave (Willcox Sub f-8 Feeder) LOC # B11136840 Battery back up, good for 8 –12 hours

COMMUNICATION SERVICE

(Continuation)

F. AT&T Regeneration Station

1. LOC # A13304730	Bowie Sub B-3 feeder, battery back-up 40 hours.
2. LOC # B16205863	San Simon Sub A-5 feeder, battery back-up 40 hours.
3. LOC # C10208656	Willcox Sub f-7 feeder, battery back-up 40 hours.

G. U.S. Sprint

1. LOC # A13334752	Bowie Sub B-3 feeder, propane generator back-up 48 hours.
2. LOC # C10151877	Willcox Sub f-3 feeder, propane generator back-up 48 hours

H. MCI

1. LOC # A12341754	Willcox Sub f-3 feeder, propane generator back-up 48 hours.
2. LOC # B17304272	San Simon Sub A-5 feeder, propane generator back-up 48 hours.
3. LOC # E09014577	Cochise Sub H-3 feeder, propane generator back-up 48 hours.

EMERGENCY AND ESSENTIAL FACILITIES LISTED BY SUBSTATION

WILLCOX

- A. Northern Cochise Community Hospital. Diesel generator for emergency facilities.
Approximately 12-hour fuel capacity can run indefinitely if fuel is available.
- B. Willcox Police & Fire Department. Diesel generator with approximately 8 hour fuel reserve. Can run indefinitely if fuel is available, also has back-up battery for communications if generator is incapacitated.
- C. Cochise County Sheriff Substation. No back up; only concern would be radio communications from Bisbee. Repeaters site is on Willcox f-4 circuit with no back-up
- D. Willcox Sewer. Will begin backing up in two to three hours without lift pumps operating. Can use emergency portable pumps if necessary.

SAN SIMON:

- A. Water Company. Wells With electric motor. Storage tank will gravity feed under normal circumstances for approximately two to four hours.
- B. El Paso Natural Gas Pumping Station. Natural gas back-up generator can run indefinitely.

BOWIE:

- A. Sheriff Substation. Only concern is radio communications. Radio repeater is on Willcox F-4 circuit.
- B. Bowie Water Company. Electric pump with no back-up. Storage tank will maintain pressure for approximately six hours.

STEWART

- A. Water well for City of Willcox. No back-up power supply, Storage tank will gravity feed and maintain pressure for up to twelve hours under average conditions.

COCHISE:

- A. Clear Springs Water Co. Electric pump with gas engine for back-up can furnish water indefinitely

WEBB:

- A. Elfrida Water Company. Electric pump with no back-up. Will lose pressure in two to four hours.
- B. McNeal Water Users. Electric pump with no back-up. Will lose pressure in two to four hours.

KANSAS:

- A. El Paso Natural Gas Pumping Station. Natural gas back up generation can run indefinitely.

6.1.3

SULPHUR SPRINGS VALLEY ELECTRIC COOPERATIVE, INC.

DISTRIBUTION SWITCHING FORM

REQUEST FOR CL ☐ HLO ☐ SC ☐ GS ☐ SWITCHING PROGRAM NUMBER

PURPOSE FEED STEWART AREA FROM F-7 WILLCOX CIRCUIT, D-5 MORTENSON CIRCUIT.

EXPECTED

REQUESTED

DURATION AS NEEDED

BY P. SWIATEK

ISSUED TO EMERGENCY

DATE

PREPARED

CHECKED

REQUIRED AS NEEDED

BY P. SWIATEK

BY

ISSUED TO

DATE

RELEASED TO

DATE

	DEVICE	LOCATION	OPERATION PERFORMED	TAG #	TIME	PREF BY
1	ACR	STEWART SUB	OPEN E-1, E-2, AND E-3			
2	SWITCHES	STEWART SUB	OPEN LOAD AND SOURCE SIDE ABOVE ACR'S E-1, E-2, AND E-3			
3	CIR SW	STERWART SUB	OPEN ST-12			
4	BLADES	A10198510	CLOSE FT. GRANT AND RANCH HOUSE RD E-2 (D-5)			
5	BLADES	B10278938	CLOSE G & SLOAN E-3, (F-7)			
6	BLADES	A10345084	CLOSE E-1, AND E-3			
7	ST- 200	STEWART	OPEN			
8						
9						
10						
11						
12						
13						
14						

6.1.3

SULPHUR SPRINGS VALLEY ELECTRIC COOPERATIVE, INC.

DISTRIBUTION SWITCHING FORM

REQUEST FOR CL ☐ HLO ☐ SC ☐ GS ☐ SWITCHING PROGRAM NUMBER _____PURPOSE FEED WEBB SUBSTATION LOAD FROM McNEAL

ONLY BE DONE WITH TEMPORARY REGULATORS INSTALLED AT LOC # T12289013

EXPECTED

REQUESTED

DURATION AS NEEDED

BY P. SWIATEK

ISSUED TO _____ EMERGENCY _____

DATE

PREPARED

CHECKED

REQUIRED AS NEEDED

BY P. SWIATEK

BY _____

ISSUED TO _____

DATE _____

RELEASED TO _____

DATE _____

	DEVICE	LOCATION	OPERATION PERFORMED	TAG #	TIME	PREF BY
1	KNIVES	T12338590	CLOSE- CENTRAL HWY. AT SOUTH CURVE			
2	ACR	T12289018	CLOSE BY-PASS SWITCHES			
3	ACR	T12169083	CLOSE BY-PASS SWITHES			
4	KNIVES	T12102110	CLOSE JUST EAST OF THOMPSON ROAD./666			
5	KNIVES	I12059110	CLOSE SOUTH OF WEBB & MARTINEAU RD.			
6	KNIVES	K1231086	CLOSE NORTH OF WEBB & MARTINEAU RD.			
7	TEMP REGS	I 12289013	TURN ON TEMPORARY REGULATORS			
8	ACR'S	WEBB SUB	OPEN M-1, M-3, M-4, AND M-5			
9	SWITCHES	WEBB SUB	OPEN BY-PASS SWITCHES M-1, M-3, M-4, AND M-5			

SULPHUR SPRINGS VALLEY ELECTRIC COOPERATIVE, INC.

6.1.3

DISTRIBUTION SWITCHING FORM

REQUEST FOR CL ☐ HLO ☐ SC ☐ GS ☐ SWITCHING PROGRAM NUMBER

PURPOSE FEED MORTENSON SUBSTATION LOAD FROM STEWART SUBSTATION

EXPECTED

REQUESTED

DURATION AS NEEDED

BY P. SWIA TEK

ISSUED TO EMERGENCY

DATE

PREPARED

CHECKED

REQUIRED AS NEEDED

BY P. SWIA TEK

BY

ISSUED TO

DATE

RELEASED TO

DATE

	DEVICE	LOCATION	OPERATION PERFORMED	TAG #	TIME	PREF BY
1	KNIVES	A10081125	CLOSE- GRIMES CORNER			
2	KNIVES	X10201090	CLOSE- JOE BRIGGS HOUSE			
3	KNIVES	A09022111	CLOSE- EAST OF MONZINGO'S CORNER			
4	ACR'S	MORTENSON SUB	OPEN D-1, D-5, AND D-7			
5	SWITCHES	MORTENSON SUB	OPEN BY-PASSES-D-1, D-5, AND D-7			
6						
7						
8						
9						
10						
11						
12						
13						
14						

SULPHUR SPRINGS VALLEY ELECTRIC COOPERATIVE, INC.

DISTRIBUTION SWITCHING FORM

REQUEST FOR CL ☐ HLO ☐ SC ☐ GS ☐ SWITCHING PROGRAM NUMBER _____

PURPOSE FEED BOWIE SUBSTATION LOAD FROM SAN SIMON SUB

EXPECTED _____

REQUESTED _____

DURATION AS NEEDED _____

BY P. SWIATEK _____

ISSUED TO _____ EMERGENCY _____

DATE
REQUIRED AS NEEDED _____PREPARED
BY P. SWIATEK _____CHECKED
BY _____

ISSUED TO _____

DATE _____

RELEASED TO _____

DATE _____

	DEVICE	LOCATION	OPERATION PERFORMED	TAG #	TIME	PREF BY
1	REGULATORS	B15179018	BETWEEN BOWIE & SAN SIMON CHECK LEADS TO SEE IF THEY ARE IN THE CORRECT POSITION FOR DIRECTION OF FEED			
2	ACR	B16268763	CLOSE BY-PASS SWITCHES			
3	KNIVES	B16207461	CLOSE BETWEEN BOWIE AND SAN SIMON			
4	ACR	B14128860	OPEN			
5	KNIVES	B14033789	CLOSE- BOWIE COUNTY YARD			
6	KNIVES	B14125070	CLOSE- BOWIE GIN			
7	ACR'S	BOWIE SUB	OPEN B-3, AND B-7			
8	ACR	B14128860	CLOSE FRONTAGE RD.			
9	ACR	BOWIE SUB	OPEN 85			
10	SWITCHES	BOWIE SUB	OPEN BY-PASS SWITCHES B-3, B-5, AND B-7			
11	REGULATORS	B15179018	TURN ON BETWEEN BOWIE AND SAN SIMON			
12						
13						
14						

SULPHUR SPRINGS VALLEY ELECTRIC COOPERATIVE, INC.

DISTRIBUTION SWITCHING FORM

REQUEST FOR CL ☐ HLO ☐ SC ☐ GS ☐ SWITCHING PROGRAM NUMBER _____PURPOSE FEED McNEAL SUBSTATION LOAD FROM WEBB SUBSTATION ONLY BE DONE WITH TEMPORARYREGULATORS INSALLED AT LOCATION # I 12289013

EXPECTED

REQUESTED

DURATION AS NEEDEDBY P. SWIA TEKISSUED TO: EMERGENCY CREW

DATE

PREPARED

CHECKED

REQUIRED: AS NEEDEDBY: P. SWIA TEK

BY: _____

	DEVICE	LOCATION	OPERATION PERFORMED	TAG #	TIME	PREF BY
1	ACR	T12289018	CLOSE ACR BY-PASS SWITCHES AND OPEN ACR			
2	ACR	J12169083	CLOSE ACR BY-PASS SWITCHES AND OPEN ACR			
3	KNIVES	I 12338590	CLOSE SOUTH CURVE AND CENTRAL HWY			
4	KNIVES	J11258857	CLOSE 1 1/2 MILE SOUTH OF DAVIS & FRONTIER RD.			
5	KNIVES	K12099286	CLOSE McNEAL SUB			
6	ACR	K12168250	OPEN 1/2 MILE SOUTH OF McNEA SUB			
7	TEMP REGS	I 12289013	TURN ON TEMP. REGULATORS & RAISE VOLTAGE TO 127 VOLTS			
8	ACR'S	McNEAL SUB	OPEN N1 AND N2 ACR'S			
9	SWITCHES	McNEAL SUB	OPEN N-1, AND N-2 BY-PASS SWITCHES			
10						
11						
12						
13						
14						

6.1.3

SULPHUR SPRINGS VALLEY ELECTRIC COOPERATIVE, INC.

DISTRIBUTION SWITCHING FORM

REQUEST FOR CL ☐ HLO ☐ SC ☐ GS ☐ SWITCHING PROGRAM NUMBER _____PURPOSE FEED SAN SIMON SUBSTATION LOAD FROM BOWIE SUB

EXPECTED _____

REQUESTED _____

DURATION AS NEEDEDBY P. SWIATEKISSUED TO: EMERGENCY CREW

DATE _____

PREPARED _____

CHECKED _____

REQUIRED: AS NEEDEDBY: P. SWIATEK

BY: _____

	DEVICE	LOCATION	OPERATION PERFORMED	TAG #	TIME	PREF BY
1	REGULATORS	B15179018	BETWEEN BOWIE AND SAN SIMON, CHECK JUMPERS TO THAT THEY ARE IN THE CORRECT POSITION FOR THE DIRECTION OF FEED			
2	ACR	B16268763	CLOSE BY-PASS SWITCHES & OPEN ACR			
3	KNIVES	B17331023	CLOSE, NORTH OF R & R CROSSING			
4	KNIVES	B17333953	SLOSE SOUTH OF R & R AT SAN SIMON SUB			
5	KNIVES	B16207461	CLOSE BETWEEN BOWIE AND SAN SIMON			
6	ACR	SAN SIMON	OPEN A-1, A-3, AND A-5			
7	SWITCHES	SAN SIMON SUB	OPEN BY-PASS SWITCHES, A-1, A-3, AND A-5			
8						
9						
10						
11						
12						
13						
14						

6.2 Priority

Substation Capacity Benson Area

SUBSTATION	TRANSFORMER CAPACITY	CONSUMERS
1. BENSON	10/14 MVA	1,832
2. MESCAL	10/14 MVA	3,591
3. ST. DAVID/ APACHE POWDER	5 MVA	784

SUBSTATION	KW Average Shed 2000-01
MESCAL	3,630 KW
BENSON	4,973 KW
ST. DAVID/ APACHE POWDER	2,024 KW

FEEDER	Consumers	KW AVERAGE Shed (2000-01)
1. 0-4 MESCAL	1,274	2,877
2. P-7 BENSON	396	861
3. P-8 BENSON	692	2,342
4. P-3 BENSON	744	1,938
5. O-1 MESCAL	1,507	3,324
6. O-2 MESCAL	490	1,085
7. O-3 MESCAL	320	1,948
8. Q-3 ST. DAVID	507	921

6.2 PRIORTY

(CONTINUATION)

9. Q-5 ST. DAVID	276	445
10. Q-10 APACHE POWDER	1	1,503

6.2.2 Emergency and Essential Services

6.2.2.1 Mescal Substation's 03 Sewer Pond and 06 circuits supply the Benson Hospital City water and emergency services.

6.2.2.2 Benson substation's P5 circuit supplies the St. David and Dragoons water wells

SULPHUR SPRINGS VALLEY ELECTRIC COOPERATIVE, INC.

DISTRIBUTION SWITCHING FORM

REQUEST FOR CL ☐ HLO ☐ SC ☐ GS ☐ SWITCHING PROGRAM NUMBER _____PURPOSE FEED BENSON SUBSTATION FROM MESCAL SUBSTATION

EXPECTED

REQUESTED

DURATION AS NEEDEDBY: P. SWIATEKISSUED TO: EMERGENCY CREW

DATE

PREPARED

CHECKED

REQUIRED: AS NEEDEDBY: P. SWIATEK

BY: _____

	DEVICE	LOCATION	OPERATION PERFORMED	TAG #	TIME
1	REGULATOR	BENSON SUB	ZERO REGULATORS AND TURN OFF		
2	REGULATOR	ST. DAVID SUB	ZERO REGULATORS AND TURN OFF		
3	SWITCHES	F07-32-5083	CLOSE BLADES AND PARALLEL P-5 & Q-5 AND TAG		
4	SWITCHES	F07-07-6249	OPEN BLADES AND PARALLEL AND TAG		
5	ACR	F07-29-1064	BY-PASS ACR AND OPEN HANDLE		
6	REGULATOR	ST. DAVID SUB	TURN REGULATORS TO AUTOMATIC		
7	REGULATORS	MESCAL SUB	ZERO REGULATORS AND TURN OFF		
8	SWITCHES	F06-02-4671	CLOSE BLADES AND PARALLEL O-3 & P-7 AND TAG		
9	ACR	BENSON SUB	OPEN P-7 FEEDER AND OPEN LOAD SIDE OF SWITCHES		
10	SWITCHES	F07-07-5944	CLOSE BLADES AND PARALLEL O-3 & P-5		
11	ACR	BENSON SUB	OPEN P-5 FEEDER AND OPEN LOAD SIDE OF SWITCHES		
12	SWITCHES	F06-10-4278	CLOSE BLADES AND PARALLEL O-4 & P-8 AND TAG		
13	ACR	BENSON SUB	OPEN P-8 FEEDER AND OPEN LOAD SIDE OF SWITCHES		
14	REGULATOR	MESCAL SUB	TURN REGULATORS TO AUTOMATIC		
15	SWITCHES	F07-07-5742	OPEN BLADES AND TAG		
16	SW MT-70	MESCAL TAP	OPEN LOCK AND TAG		
17	SUB	BENSON SUB	OPEN 69KV FUSES		
18	SUB	BENSON SUB	INSPECT, TEST AND INSTALL GROUNDS		

6.2.3

SULPHUR SPRINGS VALLEY ELECTRIC COOPERATIVE, INC.

DISTRIBUTION SWITCHING FORM

REQUEST FOR CL ☐ HLO ☐ SC ☐ GS ☐ SWITCHING PROGRAM NUMBER _____PURPOSE PICK UP P-5 LOAD OUT OF ST. DAVID

EXPECTED REQUESTED

DURATION AS NEEDED BY P. SWIATEKISSUED TO: EMERGENCY CREWDATE PREPARED
REQUIRED: AS NEEDED BY: P. SWIATEKCHECKED
BY: _____

	DEVICE	LOCATION	OPERATION PERFORMED	TAG #	TIME	PREF BY
1	REGULATORS	ST. DAVID	ZERO REGULATORS AND TURN OFF			
2	REGULATORS	BENSON SUB	ZERO REGULATORS AND TURN OFF			
3	SWITCHES	F07-32-4959	CLOSE BLADES TO PARALLEL BETWEEN P-5 & Q-3			
4	SWITCHES	F07—07-6249	OPEN BLADES TO OPEN PARALLEL BETWEEN P-5 & Q-5			
5	ACR	F07-29-1064	BY-PASS ACR AND OPEN HANDLE			
6	REGULATORS	ST. DAVID	RETURN REGULATORS BACK TO AUTOMATIC			
7	REGULATORS	BENSON SUB	RETURN REGULATORS BACK TO AUTOMATIC			
8						
9						
10						
11						
12						
13						

6.2.3

SULPHUR SPRINGS VALLEY ELECTRIC COOPERATIVE, INC.

DISTRIBUTION SWITCHING FORM

REQUEST FOR CL ☐ HLO ☐ SC ☐ GS ☐ SWITCHING PROGRAM NUMBER _____

PURPOSE _____

EXPECTED

REQUESTED

DURATION AS NEEDEDBY: P. SWIATEKISSUED TO: EMERGENCY CREW

DATE

PREPARED

CHECKED

REQUIRED AS NEEDEDBY: P. SWIATEK

BY: _____

	DEVICE	LOCATION	OPERATION PERFORMED	TAG #	TIME	PREF BY
1	ACR	MESCAL SUB	OPEN ACR TO 0-1 FEEDER			
2.	SWITCHES	F06-04-8270	OPEN BLADES AT RISER POLE			
3	ACR	MESCAL SUB	OPEN ACR TO 0-2 FEEDER			
4	SWITCHES	F06-04-9167	OPEN BLADES AT RISER POLE			
5	ACR	MESCAL SUB	OPEN ACR TO 0-3 FEEDER			
6	SWITCHES	F06-03-1470	OPEN BLADES AT RISER POLE			
7	ACR	MESCAL SUB	OPEN ACR TO 0-4 FEEDER			
8	SWITCHES	F06-04-9282	OPEN BLADES AT RISER POLE			
9	ACR	MESCAL SUB	OPEN 800 VWE ACR TO DE-ENERGIZER STEP UP TRANS			
10	69KV SWITCH	MESCAL SUB	OPEN 69KV CIRCUIT SWITCH			
11	69KV SWITCH	MESCAL SUB	CLOSE 69KV CIRCUIT SWITCH			
12	ACR	MESCAL SUB	CLOSE 800VWE ACR TO ENERGIZE STEP- UP TRANS			
13	SWITCHES	F06-04-9282	CLOSE BLADES AT RISER POLE			
14	ACR	MESCAL SUB	CLOSE ACR TO 0-4 FEEDER			
15	SWITCHES	F06-03-1470	CLOSE BLADES AT RISER POLE			
16	ACR	MESCAL SUB	CLOSE ACR TO 0-3 FEEDER			
17	SWITCH	F06-04-9167	CLOSE BLADES AT RISER POLE			
18	ACR	MESCAL SUB	CLOSE ACR TO 0-2 FEEDER			
19	SWITCHES	F06-04-8720	CLOSE BLADES AT RISER POLE			
20	ACR	MESCAL SUB	CLOSE IN ACR TO 0-1 FEEDER			

SULPHUR SPRINGS VALLEY ELECTRIC COOPERATIVE, INC.

DISTRIBUTION SWITCHING FORM

REQUEST FOR ☐ ☐ O ☐ ☐ S SWITCHING PROGRAM NUMBER _____PURPOSE FEED 7.2KV TO MESCAL FROM BENSON SUB

EXPECTED

REQUESTED

DURATION AS NEEDEDBY P. SWIATEKISSUED TO: EMERGENCY CREW

DATE

PREPARED

CHECKED

REQUIRED AS NEEDED

BY: P. SWIATEK

BY: _____

	DEVICE	LOCATION	OPERATION PERFORMED	TAG #	TIME	PREF BY
1	REGULATOR	MESCAL SUB	ZERO REGULATORS AND TURN OFF			
2	REGULATORS	BENSON SUB	ZERO REGULATORS AND TURN OFF			
3	SWITCHES	F06-10-4278	CLOSE BLADES AND PARALLEL O-4 & P-8			
4	ACR	MESCAL SUB	OPEN ACR TO O-4 FEEDER			
5	SWITCHES	F06-04-9282	OPEN SWITCHES ON RISER POLE			
6	SWITCHES	F06-02-4671	CLOSE BLADES AND PARALLEL O-3 AND P-7			
7	ACR	MESCAL SUB	OPEN ACR TO O-3 FEEDER			
8	SWITCHES	F06-03-1470	OPEN SWITCHES ON RISER POLE			
9	REGULATORS	BENSON SUB	TURN REGULATORS BACK TO AUTOMATIC			
10	SWITCHES	MESCAL SUB	OPEN GANG SWITCH TO DE-ENERGIZE BUSS			
11		MESCAL SUB	PROCEED WITH WORK. INSPECT TEST AND INSTALL GROUNDS			
12		MESCAL SUB	REMOVE ALL GROUNDS			
13	SWITCHES	MESCAL SUB	CLOSE IN GANG SWITCH TO ENERGIZE BUSS			
14	REGULATORS	MESCAL SUB	CHECK REGULATORS TO SEE IF ZEROED			
15	REGULATORS	BENSON SUB	ZERO REGULATORS AND TURN OFF			
16	SWITCHES	F06-03-1470	CLOSE IN BLADES AT RISER			
17	ACR	MESCAL SUB	CLOSE IN ACR TO ENERGIZED O-3			
18	SWITCHES	F06-02-4671	OPEN BLADES TO OPEN PARALLEL BETWEEN P-7 & P-8			
19	SWITCHES	F06-04-9282	CLOSE IN BLADES AT RISER			
20	ACR	MESCAL SUB	CLOSE IN ACR TO O-4 FEEDER			
21	SWITCHES	F06-10-4278	OPEN BLADES TO OPEN PARALLEL BETWEEN O-4 & P-8			
22	REGULATOR	MESCAL SUB	RETURN REGULATORS BACK TO AUTOMATIC			
23	REGULATORS	BENSON SUB	RETURN REGULATORS BACK TO AUTOMATIC			

Southern Area Curtailment Plan

PROTECTED MATERIAL
DISCLOSER IS RESTRICTED

6.3.1 Priority

DISTRUBATION SUB- STATION AND FEEDER PRIORITY RANKING

GREATER SIERRA VISTA AREA

HIGHEST PRIORITY SUBSTATION	FEEDER	ANTICIPATED HIGH KVA 00& 01	NUMBER OF CONSUMERS
A. 1 BELLA VISTA MAXIMUM LOAD 12/20 MVA	Y-4 Y-3 Y-2 Y-1	4122 (SUMMER) 5982 (SPRING) 4229 (SUMMER) 456 (SUMMER)	626 1428 952 37
B. SIERRA VISTA MAXIMUM LOAD 10/14 MVA	U-6 U-7 U-5 U-3	3776 (SUMMER) 2414 (WINTER) 2044 (WINTER) 939 (WINTER)	1461 684 1172 280
C. HUACHUCA EAST (7200) MAXIMUM LOAD 6 MVA	W-5 W-3	2621 (WINTER) 1998 (WINTER)	1359 1079
D. HUACHUCA WEST (14,400) MAXIMUM LOAD 5/7 MVA	V-7	5249 (WINTER)	2083
E. KEATING MAXIMUM LOAD 10/14 MVA	T-2 T-4 T-3 T-1	2157 (WINTER) 2970 (SUMMER) 2859 (WINTER) 2432 (WINTER)	1009 1387 648 1436
F. RAMSEY MAXIMUM LOAD 10/14 MVA	R-2 R-3 R-1 R-4	5259 (WINTER) 4854 (WINTER) 2862 (WINTER) OPEN	1543 2436 500
G. HAWES MAXIMUM LOAD 10/14 MVA	X-1 X-8 X-5 X-7	1957 (SUMMER) 5441 (SUMMER) 5,284 (WINTER) OPEN	1551 1873 2672
H. TOMBSTONE	S-3	618 (WINTER)	362

6.3.2

Definition of Feeders

1. Y-3 Major retail, water, sewer, High school, traffic control East on Fry Moorman.
2. Y-2 Hospital, water, emergency services, traffic control, South of Fry Blvd.
3. U-6 Major retail, water, traffic control, West on Fry Blvd.
4. Y -4 Police, Major retail, water, traffic control, North on Coronado Dr.
5. X-8 Sheriff: Water, Traffic control, Fire and emergency service. North on Hwy 92
6. W-5 Police, Fire, water, traffic control, Huachuca City, South of Y on Hwy 90
7. X-5 Water companies, number of consumers, Moson Rd. Avenida Del.Sol
8. V-7 Police, Fire, water, emergency services. Hwy 82 West of Y, Sonoita, Patagonia area.
9. Y -1 Traffic control, Major retail Fry and Coronado.
10. T-2 Water, number of consumers, Golf Links Rd.
11. T-1 Water, number of consumers, S. 7th to Buffalo Soldier Trail.
12. U- 7 Water, number of consumers, NW side Sierra Vista.
13. U-5 Water, number of consumers, N. 7th and West.
14. R-2 Water, businesses, number of consumers, Hwy 92 Ramsey Rd. to Buffalo Soldier Trail
15. T-3 Water, number of consumers, South on South 7th.
16. R-3 Water, number of consumers, South on Hwy 92, Canyon, East to Hereford.
17. X-1 Water, number of consumers, West on Buffalo Soldier Trail from I Hwy 92.
18. U-3 Water, number of consumers, North 7th and By Pass
19. R-1 Water, number of consumers, West on Ramsey and to North.
20. W-3 Water, Fire, number of consumers, East from Y on Hwy 82 and North.
21. X-7 Number of consumers, Hwy 92 South to Glenn Rd.
22. S-3 Water, number of consumers, Tombstone and Holiday Ranch Estates.
23. S-7 Water, number of consumers, North of Tombstone sub.
24. R-4 Number of consumers, Hwy 92 & Ramsey Rd.

6.3.2 Priority

Substation Capacity Sierra Vista Area

	TRANSFORMER CAP	CONSUMERS
1. BELLA VISTA	12/20 MVA	3,043
2. SIRRA VISTA	10/14 MVA	3,597
3. HUACHUCA EAST	3.75 MVA	1,688
4. HUACHUCA WEST	3.75 MVA	1,453
5. KEATING	10/14 MVA	4,480
6. RAMSEY	10/14 MVA	4,478
7. HAWES	10/14 MVA	6,764
8. TOMBSTONE	1.0 MVA	329
9. PUEBLO MOBLE SUB	10.0 MVA	

Total KW Average Shed 2000-01

1. BELLA VISTA	13,432 KW
2. SIERRA VISTA	7,864 KW
3. HIACHUCA EAST	2,837 KW
4. HUACHUCA WEST	3,734 KW
5. KEATING	9,888 KW
6. RAMSEY	10,951 KW
7. HAWES	10,227 KW
8. TOMBSTONE	715 KW

6.3.2 PRIORITY

FEEDER	Consumers	Shed
1. Y-3 BELLAVIST EAST	1,428	5,392
2. Y-2 BELLA VISTA SOUTH	957	3,583
3. U-6 SIERRA VISTA SOUTH	1,461	3,221
4. Y-4 BELLA VISTA NORTH	626	3,768
5. X-8 HAWES NORTH	1,873	4,468
6. W-5 HUACHUCA SOUTH	1,359	2,275
7. X-5 HAWES EAST	5,178	4,851
8. V-7 HUACHUCA WEST	2,083	4,127
9. Y-1 BELLA VISTA WEST	38	1,313
10. T-2 KEATING EAST	1,009	2,636
11. T-1 KEATING WEST	1,436	2,300
12. U-7 SIERRA VISTA WEST	684	2,430
13. U-5 SIERRA VISTA EAST & SOUTH	1,172	1,872
14. R-2 RAMSEY	1,543	3,347
15. T-3 KEATING SOUTH	648	3,056
16. R-3 RAMSEY SOUTH	2,436	4,817
17. X-1 HAWES WEST	1551	1,802
18. U-3 SIRRA VISTA EAST	280	880
19. R-1 RAMSEY WEST	500	2,554
20. W-3 HUACHUCA EAST & NORTH	1,359	1,800
21. X-7 HAWES SOUTH	668	1,132
22. S-3 TOMBSTONE EAST	270	532
23. S-7 TOMBSTONE NORTH	59	138
24. R-4 RAMSEY	0	0

SULPHUR SPRINGS VALLEY ELECTRIC COOPERATIVE. INC.

DISTRIBUTION SWITCHING FORM

REQUEST FOR ☐ CL ☐ LO ☐ SC ☐ GS SWITCHING PROGRAM NUMBER _____PURPOSE KEATING SUB (CURTAILMENT) IF DOWN TO PICK UP LOAD OF KEATING, BELLA VISTA, HAWES, AND S.V. SUBSEXPECTED DURATION AS NEEDED REQUESTED BY P. SWIA TEKISSUED TO EMERGENCYDATE REQUIRED AS NEEDEDPREPARED BY P. SWIA TEK

CHECKED BY _____

ISSUED TO _____

DATE _____

RELEASED TO _____

DATE _____

	DEVICE	LOCATION	OPERATION PERFORMED	TAG #	TIME	PREF BY
1	ACR T-1	KEATING SUB	OPEN ACR'S, OPEN T-2, OPEN T-3, AND OPEN T-4 ACR'S			
2	KT-2000	KEATING SUB	OPEN 69 KV CIRCUIT SWITCH IF NEEDED			
3	BLADES	KEATING SUB	OPEN LOAD SIDE ABOVE ACR T-1			
4	BLADES	KEATING SUB	OPEN LOAD SIDE ABOVE ACR T-2			
5	BLADES	KEATING SUB	OPEN LOAD SIDE ABOVE ACR T-3			
6	BLADES	KEATING SUB	OPEN LOAD SIDE ABOVE ACR T-4			
7	SUB	KEATING SUB	KEATING SUB ISOLATED WITH VISIBLE OPEN ON 12.740 KV, 69 KV SYSTEM			
8	BLADES	K06-03-8727	CLOSE TO U-6 (T-4)			
9	BLADES	K06-03-4719	CLOSE TO U-6 (T-1)			
10	BLADES	K06-01-1033	CLOSE TO Y-2 (T-2)			
11	BLADES	K06-11-2816	CLOSE X-1 (T-3)			

SULPHUR SPRINGS VALLEY ELECTRIC COOPERATIVE, INC.

DISTRIBUTION SWITCHING FORM

REQUEST FOR ☐ CL ☐ LO ☐ SC ☐ GS SWITCHING PROGRAM NUMBER CTT-1

PURPOSE SIERRA VISTA SUB (CURTAILMENT) IF DOWN TO PICK UP LOAD OF S.V. SUB ON KEATING, AND BELLA VISTA SUBS

EXPECTED REQUESTED

DURATION AS NEEDED BY P. SWIATEK

ISSUED TO EMERGENCY CREW

DATE

REQUIRED AS NEEDED

PREPARED

BY P. SWIATEK

CHECKED

BY

ISSUED TO

DEVICE

DATE

LOCATION

RELEASED TO

OPERATION PERFORMED

TAG #

TIME

DATE

PREF BY

1	ACR U-3	S.V. SUB	OPEN ACR'S, U-3, U-5, U-6, AND U-7			
2	SV-200	S.V. SUB	OPEN 69 KV CIRCUIT SWITCH IF NEEDED			
3	BLADES	J06-35-1711	OPEN TO U-3			
4	BLADES	J06-35-1014	OPEN TO U-5			
5	BLADES	J06-34-8814	OPEN TO U-6			
6	BLADES	S.V. SUB	ABOVE ACR U-7 LOAD SIDE OPEN			
7	SUB	S.V. SUB	S.V. SUB ISOLATED WITH VISIBLE OPEN			
			ON 12,470 KV, 69 KV SYSTEM			
8	BLADES	J06-35-5712	CLOSE TO Y-4(U-3)			
9	BLADES	J06-35-1381	CLOSE TO Y-1(U-5)			
10	BLADES	K06-03-4916	OPEN ON U-6			
11	BLADES	K06-03-8727	CLOSE TO T-4 (U-6)			
12	BLADES	K06-03-4715	CLOSE ON U-7			
13	BLADES	K06-03-4719	CLOSE TO T-1(U-7)			

6.3.3

SULPHUR SPRINGS VALLEY ELECTRIC COOPERATIVE. INC.

DISTRIBUTION SWITCHING FORM

REQUEST FOR ☐ CL ☐ LO ☐ SC ☐ GS SWITCHING PROGRAM NUMBER CTT-5

PURPOSE BELLA VISTA SUB (CURTAILMENT) IF DOWN TO PICK UP LOAD OF BELLA VISTA ON HAWES, KEATING, AND S.V. SUBS

EXPECTED DURATION AS NEEDED REQUESTED BY P. SWIA TEK ISSUED TO EMERGENCY CREW

DATE REQUIRED AS NEEDED PREPARED BY P. SWIA TEK CHECKED BY

ISSUED TO DATE RELEASED TO DATE
DEVICE LOCATION OPERATION PERFORMED TAG # TIME PREF BY

1	ACR Y-1	BV SUB	OPEN ACR'S Y-1, Y-2, Y-3, AND Y-4			
2	Y-201	BV SUB	OPEN 69 KV CIRCUIT SWITCHED IF NEEDED ALTERNATE BL72 MAY BE OPEN			
3	BLADES	J06-36-1063	OPEN TO Y-4			
4	BLADES	J06-36-2790	OPEN TO Y-3			
5	BLADES	J06-36-1188	OPEN TO Y-2			
6	BLADES	J06-35-6485	OPEN E TO Y-1			
7			TO ACHIEVE VISIBLE OPEN AT J06-36-1188 & J06-35-6458 600AMP MUST BE MANUALLY TAKEN APART ON 12.470 KV, 69 KV SYSTEM			
8	SUB	BV SUB	B.V. SUB ISOLATED WITH VISIBLE OPEN ON 12.470 AND 69 KV SYSTEM			
9	BLADES	K06-01-1033	CLOSE TO T-2(Y-2)			
10	BLADES	K06-35-5487	CLOSE TO T-4 (Y-1)			
11	BLADES	J06-35-5712	CLOSE TO U-3 (Y-3)			
12	BLADES	K07-06-1211	OPEN			
13	BLADES	K06-01-8846	CLOSE TO X-8 (Y-4)			
14	BLADES	K07-06-8815	CLOSE TO X-5 (Y-4) (MOBLE PUEBLO SITE)			

6.3.3

SULPHUR SPRINGS VALLEY ELECTRIC COOPERATIVE, INC.

DISTRIBUTION SWITCHING FORM

REQUEST FOR ☐ CL ☐ LO ☐ SC ☐ GS SWITCHING PROGRAM NUMBER CTT-2

PURPOSE RAMSEY SUB (CURTAILMENT) IF DOWN TO PICK UP LOAD OF RAMSEY SUB ON KEATING AND HAWES SUB.

EXPECTED REQUESTED
DURATION AS NEEDED BY P. SWIATEK ISSUED TO EMERGENCY CREWDATE PREPARED CHECKED
REQUIRED AS NEEDED BY P. SWIATEK BYISSUED TO DATE RELEASED TO DATE
DEVICE LOCATION OPERATION PERFORMED TAG # TIME PREF BY

	DEVICE	LOCATION	OPERATION PERFORMED	TAG #	TIME	PREF BY
1	ACR R-1	RAMSEY SUB	OPEN ACR'S R-1, R-2, R-3, R-4			
2	KT-200	RAMSEY SUB	OPEN 69 KV CIRCUIT SWITCH IF NEEDED ALTERNATE RA201 MAY BE OPEN			
3	BLADES	K06-36-8389	OPEN TO ACR R-1			
4	BLADES	K06-36-8584	OPEN TO ACR R-2			
5	BLADES	L06-01-8823	OPEN TO ACR R-3			
6	BLADES	L06-01-8818	OPEN TO ACR R-4			
7	SUB	RAMSEY SUB	RAMSEY SUB ISOLATED WITH VISIBLE OPEN ON 12.470 KV, 69 KV SYSTEM			
8	BLADES	L06-01-8822	CLOSE R-2 AND R-3 TOGETHER			
9	BLADES	HAWES SUB	CLOSE LOAD SIDE BLADES ABOVE ACR X-7			
10	BLADES	HAWES SUB	CK CLOSED SOURCE SIDE BLADES ABOVE ACR X-7, CLOSE ACR(X-7)			
11	BLADES	HAWES SUB	CLOSE X-1 (T-3)			
12	ACR X-1	HAWES SUB	OPEN AND OPEN LOAD SIDE BLADES ABOVE ACR X-7			
13	BLADES	K07-14-2816	CLOSE T-3 TO (X-1)			
14	BLADES	K06-24-2012	CLOSE TO T-3 to (R-1)			

6.3.3

SULPHUR SPRINGS VALLEY ELECTRIC COOPERATIVE, INC.

DISTRIBUTION SWITCHING FORM

REQUEST FOR ☐ CL ☐ LO ☐ SC ☐ GS SWITCHING PROGRAM NUMBER _____PURPOSE HAWES SUB(CURTAILMENT) IF DOWN TO PICK UP LOAD OF WEBB SUB ON RAMSEY, KEATING, AND BELLA VISTA

EXPECTED DURATION _____ REQUESTED BY _____

ISSUED TO _____

DATE REQUIRED _____ PREPARED BY _____

CHECKED BY _____

ISSUED TO _____ DATE _____ RELEASED TO _____ DATE _____

	DEVICE	LOCATION	OPERATION PERFORMED	TAG #	TIME	PREF BY
1	ACR X-1	HAWES SUB	OPEN ACR'S, X-5, X-8, AND X-7			
2	SWITCH	HW-72	OPEN 69 KV SWITCH IF NEEDED			
3	BLADES	HAWES SUB	OPEN LOAD SIDE ABOVE ACR X-1			
4	BLADES	HAWES SUB	OPEN LOAD SIDE ABOVE ACR X-5			
5	BLADES	HAWES SUB	CK OPEN LOAD SIDE ABOVE ACR X-7			
6	BLADES	HAWES SUB	OPEN LOAD SIDE ABOVE ACR X-8			
7	SUB	HAWES SUB	HAWES SUB ISOLATED WITH VISIBLE			
			OPEN ON 12.470 KV, 69 KV SYSTEM			
8	BLADES	K06-14-2816	CLOSE TO T-3 (X-1)			
9	BLADES	K06-13-8690	CLOSED TO R-3 (X-8)			
10	BLADES	K07-18-8886	OPEN			
11	BLADES	K07-06-8815	CLOSED TO Y-3 (X-5)			
12	BLADES	K07-35-1154	CLOSED TO R-3 (X-5)			

TRANSMISSION LINES

NORTH

WILLCOX
STEWART
MORTENSON
KANSAS
WEBB
McNEAL
COCHISE

CENTRAL

BENSON
ST. DAVID
JOHNSON
MESCAL

SOUTH

TOMBSTONE
SIERRA VISTA
KEATING
HAWES
RAMSEY
BELLA VISTA
HUACHUCA

Sulphur Springs Valley Electric Cooperative 6.4.2

2000 Year to Date Number of Customers (Normal Configuration)

AREA	SUBSTATION	FEEDER	CONSUMERS	SUBSTATION	FEEDER	CONSUMERS	AREA
AREA 1	SS. SAN SIMON B1738847 (Redtail)	A-1 North A-3 South A-5 West	21 141 200 462	RA. RAMSEY L06018620 (San Rafael)	R-1 West R-2 North R-3 South R-4 Spare	475 2073 2265 4813	
	BW. BOWIE B14034852 (Redtail)	B-3 N & S B-5 East B-7 Town	37 86 339 462	TM. TOMBSTONE I08034370 (San Rafael)	S-3 S & E S-7 North	249 55 304	
AREA 2	MN. MORTENSON N09248989 (Stewart 69KV)	D-1 North D-5 South D-7 West	45 261 30 386	KG. KEATING K06021388 (San Rafael)	T-1 West T-2 East T-3 South T-4 North	1312 975 523 1333 4243	AREA 5
	ST. STEWART A10341089 (Stewart 69KV)	E-1 North E-2 West E-3 East	34 195 673 902	SV. SIERRA VISTA J06348613 (Kartchner)	U-3 East U-5 S & E U-6 S & W U-7 West	267 1173 1399 623 3467	
	WX. WILLCOX C11051150 (Apache)	F-3 Airport Rd. F-4 East F-7 Stewart F-8 Willcox	354 105 341 308 2608	HW. HUACHUCA W I05136152 (Kartchner)	V-7 Sonoita	1968 1968	
	CC. COCHISE E10104649 (Apache)	H-3 North H-4 South	325 1273 1598	HE. HUACHUCA E I05136252 (Kartchner)	W-3 N & E W-5 South	997 1212 2209	
	KS. KANSAS E11268711 (Apache)	J-3 North J-5 S & W J-7 East	484 131 193 808	HS. HAWES K07181289 (San Rafael)	X-1 West X-5 E & N X-7 South X-8 North	1421 2573 0 1791 5790	
AREA 3	CA. CHIRICAHUA G12101345 (Apache)	K-1 East K-2 North	593 22 615	BV. BELLA VISTA J06361267 (Kartchner)	Y-1 West Y-2 South Y-3 East Y-4 North	34 903 1329 2563	
	WB. WEBB H12331388 (Apache)	M-1 North M-3 East M-4 S & Elfrida M-5 West	209 131 554 50 944	Redtail PCB RT12 (Bowie / San Simon)		924	
	MC. McNEAL K12098881 (Apache)	N-1 North & SanB N-2 South	397 531 928	Stewart PCB ST11 (Mortenson Load Only)		386	
AREA 4	MS. MISCAL F06049071 (Apache)	O-1 West O-2 North O-3 East O-4 Benson	1507 490 320 1274 3591	Apache PCB 013 (Willcox)		2608	
				Apache PCB 014 (KS / Chiricahua / Webb / McNeal)		3295	
				Apache PCB 015 (Cochise / Mescal / Benson)		7021	
	BE. BENSON F07076141 (Apache)	P-5 E & S P-7 Pomerene P-8 Airport Rd	744 396 692 1832	San Rafael PCB 001 (Hawes / Keating)		10,033	
				San Rafael PCB 004 (Tombstone / St. David)		1,088	
				San Rafael PCB 005 (Ramsey)		4,813	
	SD. ST. DAVID G07075177 G07075077>> (Tombstone Jct)	Q-3 North Q-5 South Q-7 Apache/Nitrogen	507 276 1 784	Kartchner PCB 003 (Huachuca)		4,177	
Kartchner PCB (Sierra Vista / Bella Vista)				6,330			
Total Customers						41,577	
Revised June 1, 2001							

Revised June 1, 2001

7.0

Curtailment Log Sheets

SUB SYSTEM)

[illegible]

[illegible]

7.3

SYSTEM LOAD SUMMARY

[illegible]

SSVEC

TOTAL

[illegible]

SUB SYSTEMS
VOLUNTARY CURTAILMENT
NOTIFICATION ASSIGNMENTS

1.

2.

ID NOCONSUMERNORMAL
LOADCRITICAL
LOADCONTACT

SUB SYSTEM
INVOLUNTARY CURTAILMENT
NOTIFICATION ASSIGNMENT

- 1.
- 2.

<u>ID NO</u>	<u>CONSUMERS</u>	<u>NORMAL LOAD</u>	<u>CRITICAL LOAD</u>	<u>CONTACT</u>
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SUB SYSTEMS
INVOLUNTARY CURTAILMENT
(CAPACITY OR FUEL SUPPLY)

- 1.
- 2.

OTHERS WITH NOTICE

<u>ID NO</u>	<u>CONSUMER</u>	<u>CONTACT</u>
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SUB SYSTEMS
INVOLUNTARY CURTAILMENT
(CAPACITY OR FUEL SUPPLY)

1.

2.

OTHERS WITH NOTICE

ID NO

CONSUMER

CONTACT

THIS FEEDER WILL NOT BE ROTATED
ESSENTIAL CONSUMERS

FEEDER CLASSIFICATION SHEET

DATE _____

[illegible]

FEEDER ROTATION SHEET

[illegible]

7.10

NON-ROTATING REDUCTION LIST
(NETWORK-CRITICAL-ESSENTIAL CONSUMERS)

These consumers will be called and told to reduce to their allowable load level.
Specific consumers and hours will be determined by **Load Management**.

<u>CONSUMER NAME</u>	<u>NOTICE</u> <u>REQ. HRS.</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>
<u>DEC</u>												

SECTION ESSENTIAL PAGE NO. NUMBER.

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.

7.11

SUB SYSTEMS

OURTAINMENT

INFORMATION SHEET

ID DIVISION	CONSUMERS	PHONE NUMBERS	NOTICE HOURS	LOCATION	SUBSTATION	FEEDER NUMBER

DISPATCHER'S LOG

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	5
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Dispatchers

8.0

MEDIA NOTIFICATION

SSVEC MEDIA CONTACTS

RADIO STATIONS	AREA COVERED	CONTACTS	PHONE #
KHIL KWGX	WILLCOX & SURROUNDING AREA	STATION MANAGER DAN CURTIS	384-4626
KDAP	DOUGLAS/ELFRIDA	STATION MANAGER HOWARD HENDERSON	364-3484
KAPR KEAL	DOUGLAS/ELFRIDA	STATION MANAGER DOUG MARTIN	364-4495
KTAN K101 KWCD	SIERRA VISTA	NEWS DIRECTOR	458-4313
KNXN	SIERRA VISTA	PROGRAM DIRECTOR STEVE THOMAS	459-7351
KAVV	BENSON	STATION MANAGER PAUL LOTSOFF	586-9797

NEWSPAPER

SIERRA VISTA HERALD	SIERRA VISTA & SURROUNDING AREA	CITY EDITOR JOHN MOORE	458-9440
DOUGLAS DAILY DISPATCH	DOUGLAS/ ELFRIDA	EDITOR KAREN HEBERMAN	364-3424

WEEKLY

ARIZONA RANGE NEWS	WILLCOX & SURROUNDING AREA	EDITOR/PUBISHER CHRIS DABOVICH	384-3571
SAN PEDRO VALLEY NEWS	BENSON/ST. DAVID	EDITOR/PUBISHER CHRIS DABOVICH	586-3382
MOUNTAIN VIEW NEWS	SIERRA VISTA/ FORT HUACHUCA	NEWS EDITOR ROXANE MARTELL- JONES	458-3340
WEEKLY BULLETIN	PATAGONIA/SONITA	EDITOR/PUBISHER BOB KIMBALL	281-9706 455-5338

Essential Community Function

In the event that an emergency occurs which results in the need to curtail load, the following Community Agencies will be contacted (time allowing), prior to curtailment.

SIERRA VISTA	PHONE NUMBER
HOSPITAL	458-4641
POLICE	458-3311
FIRE DEPARTMENT	458-3319

WILLCOX	PHONE NUMBER
HOSPITAL	384-3541
SHERIFF	384-4288
POLICE / FIRE DEPT.	384-4673 CENTRAL DISPATCH

BENSON	PHONE NUMBER
HOSPITAL	586-2261
POLICE	586-2211
FIRE DEPARTMENT	586-3333

ELFRIDA	PHONE NUMBER
HOSPITAL (DOUGLAS)	364-7931
FIRE DEPARTMENT	642-3749
SHERIFF	642-3749

PATAGONIA	PHONE NUMBER
EMT / POLICE	394-2091
FIRE DEPARTMENT	394-2229

HUACHUCA CITY	PHONE NUMBER
POLICE	456-1353
FIRE DEPARTMENT	456-1353

BOWIE	PHONE NUMBER
POLICE	847-2211
JUSTICE COURT)	
FIRE DEPARTMENT	845-2439

SAN SIMON	PHONE NUMBER
FIRE DEPARTMENT	845-2439

911

CRITICAL LOAD CUSTOMERS